

FIGURE 1

SEQ	ID NO: 10	MAT	TQSCQSRSSACSKAAACFPAAVAVDEEHGHHSHQLKGGAEENDNNKP	P	LRRGPW
SEQ	ID NO: 14	M	-----	R	KGPW
SEQ	ID NO: 26	MGR	PPCC-----	D	KVGVKKGWP
SEQ	ID NO: 30	MDK	-----	K	QLCNTSQD-PEVRKGPW
SEQ	ID NO: 32	MDK	-----	K	-LGNTSHD-PEVRKGPW
SEQ	ID NO: 34	MDK	-----	K	PCDSS-HD-PEVRKGPW
SEQ	ID NO: 36	MDK	-----	K	QCKTSQD-PEVRKGPW
SEQ	ID NO: 42	MST	-----	I	AKRDLSSNEESELRRGPW
SEQ	ID NO: 44	M	-----DGK GAR--	S	SNTLLSCEDEM-----DLRRGPW
SEQ	ID NO: 46	M	-----DEK GAR--	S	SNTLLSCEDEM-----DLRRGPW
SEQ	ID NO: 48	MST	-----	S	KSVSSSEDNDNELRRGPW
SEQ	ID NO: 50	MST	-----	S	KSVSSSEDNDNELRRGPW
SEQ	ID NO: 54	MGR	PPCC-----	D	KEGVKKGPW
SEQ	ID NO: 63	MDK	-----	K	PC-NSSQD-PEVRKGPW

SEQ	ID NO: 10	TVDEDLTLVN	IADN	GEGRWNN	LARAAGLK---	RTGKSCRLR	WLN	YLRPDV	KRGNFSADE
SEQ	ID NO: 14	TEQEDVQLV	FVRLL	GERRD	FLAKVSG--	LQRSGKSCR	LWRV	NYLHPGL	KRGRMSPEE
SEQ	ID NO: 26	TPEEDMLVS	YIQEH	GAGNWRA	PNTGLM---	RCSKSCRLR	WTNYL	RPGIKRGNFTEQE	
SEQ	ID NO: 30	TMEEDLILIN	YIANH	GEGVWNS	LAKAAGLK---	RTGKSCRLR	WLN	YLRPDVRRGNITPEE	
SEQ	ID NO: 32	TMEEDLILIT	YIANH	GEGVWNS	LAKAAGLK---	RTGKSCRLR	WLN	YLRPDVRRGNITPEE	
SEQ	ID NO: 34	IMEEDLILIN	YIANH	GEGVWNS	LAKASGLK---	RTGKSCRLR	WLN	YLRPDVRRGNITPEE	
SEQ	ID NO: 36	TMEEDLILMN	YIANH	GEGVWNS	LAKAAGLK---	RNGKSCRLR	WLN	YLRPDVRRGNITPEE	
SEQ	ID NO: 42	TLEEDSLLIH	YIARH	GEGRWNN	LAKSAGLK---	RTGKSCRLR	WLN	YLPDIKRGNLTPQE	
SEQ	ID NO: 44	TVDEDLTLIN	YVATH	GEGRWNTL	ALSAGLK---	RTGKSCRLR	WLN	YLRPDVRRGNITLEE	
SEQ	ID NO: 46	TVDEDLTLIN	YIATH	GEGRWNTL	ALSAGLK---	RTGKSCRLR	WLN	YLRPDVRRGNITLEE	
SEQ	ID NO: 48	TLEEDNLLSQ	YIFNH	GEGRWNN	LAKRSGLK---	RTGKSCRLR	WLN	YLPDVKRGNLTPQE	

FIGURE 1 CONTINUED

SEQ	ID	NO:36	-----NSEINDHQAS---TSHVSTMAEPMEMYSPPC
SEQ	ID	NO:42	-----XKCFWMPRLQK--MEQNSP---SPHHSSM-----TNMM
SEQ	ID	NO:44	-----MRYIWMPrLVE-----RI-QATAAASAPQPVTVPPRP
SEQ	ID	NO:46	-----MXYLXXXKARG-THSSSGDGPRN-HHRNCGRHQQCIIHLRXQP
SEQ	ID	NO:48	-----VRRFWMPRLQK--AKESSSSNM-SIQNQAI PMPFDYVSQHL
SEQ	ID	NO:50	-----VRRFWMPRCFKK--PKNH-----LLQPCQFKTRQL
SEQ	ID	NO:54	-GSFGEFSASRQI-----PRGQWERRLQTDIQAKRALSEALSPKKPCLASNSNP
SEQ	ID	NO:63	-----MS-----LEINDHHHHHPHQPS-SSQVSNLVEPMETYSPTS

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SEQ	ID	NO:10	HLQQAAAAGGAANDLAAGAYDVRQL--HALPSSGMAATSSSDSLASESYDDGGLLFAN
SEQ	ID	NO:14	-----PEDE-----SSASGSLQAQHEDQHQLFLH-PLWNDDIIVDVDCWSSSTNVVA
SEQ	ID	NO:26	AAAAATPAGSSAA---YASSADNIARLLQGWMR--PGGGGGGNGKGPEA---SGSTST
SEQ	ID	NO:30	YQGML-----EPFSS-----
SEQ	ID	NO:32	YQGML-----DPFS-----
SEQ	ID	NO:34	YQATF-----EPFQP-----
SEQ	ID	NO:36	YQGML-----EPFST-----
SEQ	ID	NO:42	NLGNSG---EASMSSSFNINPSMSSSPKGNLLWM-----MP-----NHF-
SEQ	ID	NO:44	-----TMHTPTEAT
SEQ	ID	NO:46	YTTKFEVLNKHGRMGLTDPVANND FVGSHTVQRYPTPENSSTGASSDSFGTQVSTISD
SEQ	ID	NO:48	TVGTIPPWQGPCMNEAGPTYMDQHEQTQTRNTNNGSCISLSESANIPKVP-----QHFG
SEQ	ID	NO:50	L-----CLLMV---FLS-----IQL-----
SEQ	ID	NO:54	SSSFSSTKPTTTQSVCYASSADNIARMLKGWMKNPKSSRTNSSMTQNSFNNLAGADTA
SEQ	ID	NO:63	YQGT L-----EPF-P-----

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FIGURE 1 CONTINUED

SEQ	ID	NO:10	LRAGMLMDGGDWAAQQEADQGL-----WPPPPPPPSDLDQSVVQAAGAGAGQFQ-----D
SEQ	ID	NO:14	PP-----PM-----PAS----
SEQ	ID	NO:26	TATTQQQPQCSGEGAASA-----SASASQSGAAAAATAQT-----PECS
SEQ	ID	NO:30	-----IQFP-----T
SEQ	ID	NO:32	-----IQFP-----T
SEQ	ID	NO:34	-----QFL-----Q
SEQ	ID	NO:36	-----QFP-----T
SEQ	ID	NO:42	---KYYVQ---PHQSI PRF-----LPI FTAT-----
SEQ	ID	NO:44	L-----ITNSRFTITRA-----
SEQ	ID	NO:46	LTENSSVPENTNSADY--YQPSQISNY---SDNCITSPSGFLFPQGLDLQSM-----
SEQ	ID	NO:48	HTTITQFHAL---NTNDFGTFYEGYN--VNNNVYEMDNFKTTTWWAEDAQYPIGDCQ
SEQ	ID	NO:50	---LGPYHHI---HT-----PLG----
SEQ	ID	NO:54	CSSGAKGPLSSAELSENNFESL---FDFDQSLESSNSDQFSQSL-----PEAT
SEQ	ID	NO:63	-----TQFP-----T

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FIGURE 1 CONTINUED

SEQ ID NO:10	MELSGWV-----QGFSEITDNFWALEEIWKMQ.-----
SEQ ID NO:14	---PLWDID-----DAFFCSDYSLPLWG.-----
SEQ ID NO:26	TETSK---MATGGGAGGPAPAFSMLLESWLLDDGGGMLMDVPLGDPSEFF
SEQ ID NO:30	INPDQ-----SSCCTNDNNSINYWSMEDIWSMQLLN---GD.-----
SEQ ID NO:32	-NPHH-----SSCCTNDNDDNN-NYWSMEDIWSMQL-A---NY.-----
SEQ ID NO:34	SMINQ-----VVVPATT-----TIGASRISGRLC---NYSMEIN
SEQ ID NO:36	INPDQ-----SSCCTNDNNN-INYWSMEDSWSMQLLN---G-----D
SEQ ID NO:42	-----
SEQ ID NO:44	---KWG-----
SEQ ID NO:46	-PNTPWNMQSGDSSDN-----FWDVESMLFLEQQQL---MNDNM-
SEQ ID NO:48	MVGSNWV-----NNDFACNMWNMDLWQFSKLQ-----K
SEQ ID NO:50	-----RDLV.-----
SEQ ID NO:54	VLQDE---SKPDINIAAEIMPFSLLEKWLLDEAGCQEKLVGCCGDAK-FF
SEQ ID NO:63	INNDH-----HQNSNCCANDNNNN-NYWSMEDIWSMQLLN---G-----D

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